

PTOL-413A (05-03)

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U.S. Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

## Applicant Initiated Interview Request Form

Application No.: 09/119,958 First Named Applicant: M. HS  
 Examiner: Margaret Art Unit: 1631 Status of Application: Final Rejection  
of claim 18-19, 22-29

## Tentative Participants:

(1) Ron Corbett (2) \_\_\_\_\_  
 (3) \_\_\_\_\_ (4) \_\_\_\_\_

Proposed Date of Interview: Aug 5, 03 Proposed Time: 9 (AM/PM)

## Type of Interview Requested:

(1) ☒ Telephonic (2) ☐ Personal (3) ☐ Video Conference

Exhibit To Be Shown or Demonstrated: ☐ YES ☒ NO

If yes, provide brief description: \_\_\_\_\_

## Issues To Be Discussed

Issues (Ref., Obj., etc)	Claims/ Fig. #s	Prior Art	Discussed	Agreed	Not Agreed
(1) <u>112 1st</u>	<u>36, 37</u>	<u>None</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(2) <u>112 2d</u>	<u>36, 37</u>	<u>None</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(3) _____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(4) _____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Continuation Sheet Attached

## Brief Description of Arguments to be Presented:

Support for claims in Re Specification and amendments To resolve  
112 1st and 2d paragraph rejections

An interview was conducted on the above-identified application on \_\_\_\_\_.

## NOTE:

This form should be completed by applicant and submitted to the examiner in advance of the interview (see MPEP § 713.01).

This application will not be delayed from issue because of applicant's failure to submit a written record of this interview. Therefore, applicant is advised to file a statement of the substance of this interview (37 CFR 1.133(b)) as soon as possible.

Ron Corbett  
 (Applicant/Applicant's Representative Signature)

\_\_\_\_\_  
 (Examiner/SPE Signature)

This collection of information is required by 37 CFR 1.133. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 322 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments as the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1459, Alexandria, VA 22313-1459. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1459, Alexandria, VA 22313-1459.

DOCKET NO. MILLS 8-9

PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Mills, Allen P. Jr., *et al.*  
Serial No.: 09/129,958  
Filed: August 6, 1998  
Title: ANALOG AND NEURAL NETWORK COMPUTATION USING DNA  
Grp./A.U.: 1631  
Examiner: Ardin H. Marschel

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

I hereby certify that this correspondence is being facsimile  
transmitted to the Patent and Trademark Office (Box No. (703)  
308-4242 or (703) 305-3014) on August 8, 2003.

Minister Schumacher

Typed or printed name of person signing this certificate

Signature

Sir:

## INTERVIEW SUMMARY IN ACCORDANCE WITH C.F.R. § 1.133(b)

Summarized below is the substance of a telephone interview between Examiner Marschel and the under signed attorney of record, held on August 5, 2003.

Page 6 Line 18 of the Specification was brought to the Examiner's attention as providing support for obtaining the sum of outer product  $V_i^a V_j^a$ , as recited in Claim 37. The Examiner indicated that the cited sections would likely resolve the rejection of Claims 37 and its dependent


claims under 35 U.S.C. §112 first paragraph. An amendment to Line 8 of part (a) in Claim 37 to recite, "forming a memory pool of said sets of dimeric oligomers ...." and to Line 1 of part(b) to recite, "said memory pool of dimeric oligomers...." were proposed to resolve the resolve the 35 U.S.C. §112 second paragraph rejection of this claim. The Examiner indicated that the proposed amendments would likely result is removal of the §112 second paragraph rejection to this claim.

It was proposed to remove the phrases "for i = 1, 2, ... m" and "for j = 1, 2, ... n" from Claim 36 to resolve the §112 first paragraph rejection of this claim. It was also proposed to add the phrase "said concentration corresponding to said outer product matrix." to the end of Claim 36 to resolve the §112 second paragraph rejection of this claim. The Examiner indicated that if the discussed amendments to the Claim 36 were incorporated into an after-final amendment, the rejections to this claim would likely be removed and the claims would be allowed.

The Applicants request the Examiner to telephone the undersigned attorney of record at (972) 480-8800 if such would further or expedite the prosecution of the present application.

Respectfully submitted,

HITT GAINES, P.C.

  
\_\_\_\_\_  
Ronald J. Corbett  
Registration No. 47,500

Dated: 8-8-2003  
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OFFICIAL

**ATTACHMENT 5**  
**(CORRESPONDENCE MAILED TO THE USPTO)**

**FAX COVER SHEET**

DATE: August 8, 2003

TO: Docket Administrator FAX: (732) 949-9069  
Lucent Technologies Inc.

FROM: Charles W. Gaines PHONE: (972) 480-8800  
Hitt Gaines, P.C. FAX: (972) 480-8865

NUMBER OF PAGES (Including cover sheet): 1

Fill in appropriate information:

LUCENT'S CASE NAME/No.: MILLS 8-9

YOUR REFERENCE No.: LUCT-113924

DATE MAILED TO THE USPTO: August 8, 2003

FILING:

Application Kind: ☐ Provisional ☐ CPA Continuation ☐ Continuation  
☐ New ☐ CPA Divisional ☐ Divisional  
☐ New (Converted from Provisional) ☐ CIP  
☐ Other \_\_\_\_\_

Publication Requested: ☐ YES ☐ NODrawings Mailed: ☐ YES ☐ NO  
☐ Formal ☐ InformalInformation Disclosure Statement Mailed: ☐ YES ☐ NODeclaration & Assignment Mailed: ☐ YES ☐ NO

USPTO Fee: \$ \_\_\_\_\_

PROSECUTION:

Serial No.: 09/129,958

Date of Office Action: June 26, 2003

Response KIND: ☐ Amendment ☐ Notice of Appeal  
☒ Final Amendment ☐ Appeal Brief  
☐ Request for Continued Examination (RCE)  
☐ Information Disclosure Statement  
X Other: Interview Summary in Accordance with CFR 1.133(b)

USPTO Fee: \$0

**LUCENT TECHNOLOGIES, INC.**

**INVOICE REQUEST**

Submitted by: \_Liz

**DATE: AUGUST 7, 2003**

**OUR FILE: LUCT-113924**

**IDS No.: 113924**

**CASE NAME: MILLS 8-9**

**ENTITLED: ANALOG AND NEURAL NETWORK COMPUTATION  
USING DNA**

**RESPONSIBLE ATTY: CWG/RJC**

**PLEASE INCLUDE THESE CHARGES:**

**\$1,500.00 PREPARATION OF RESPONSE TO JUNE 26, 2003,  
FINAL OFFICE ACTION**